

UNITED STATES EPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS

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APPLICATION NUMBER	FILING DATE		FIRST NAMED APPLICANT	ATTOR	EY DOCKET NO.
08/447,717	05/23/95	STEWART		R	10915R
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THOMASON AND	MOSER	E6M1/1	.022		
THE GALLERIA				ART UNIT	PAPER NUMBER
2-40 BRIDGE (PO BOX 8160	AVENUE			2415	
RED BANK NJ	07701			DATE MAILED:	10/22/97
This is a communication from COMMISSIONER OF PATEN			1.		
	OI	FFICE ACTIO	N SUMMARY		;
Responsive to communication	on(s) filed on <u>+la</u>	- boxaf a	mandment	Aled July	1997 ر الم خ
☐ This action is FINAL.					
Since this application is in coaccordance with the practice				ition as to the me	its is closed in
A shortened statutory period for whichever is longer, from the matter application to become aband 1.136(a).	ailing date of this co	mmunication. F	ailure to respond wit	month(s) hin the period for re tained under the p	sponse will cause
Disposition of Claims					
Claim(s) 1 -	د عب			is/are po	ending in the application
Of the above, claim(s)	17, 21	and 16		is/are withd	rawn from consideration
[Å] Claim(s)\ \ - ¬	and 30	3au			is/are allowed.
(A) Claim(s) 1 - 7 (Claim(s) 8 - 1	6, 18-	२० , ४४-	so , and	De- 12	is/are rejected.
☐ Claim(s)					
Claims			are	subject to restriction	n or election requiremen
Application Papers					
☐ See the attached Notice o	f Draftsperson's Pa	tent Drawing Rev	riew, PTO-948.		
☐ The drawing(s) filed on		*****	is/are obje	cted to by the Exan	niner.
☐ The proposed drawing cor	rection, filed on			is 🗌 app	proved disapproved
☐ The specification is object	ed to by the Exami	ner.			
☐ The oath or declaration is	objected to by the	Examiner.			-
Priority under 35 U.S.C. § 119	9				
☐ Acknowledgement is made of		n priority under 3!	5 U.S.C. § 119(a)-(c	1).	
☐ All ☐ Some* ☐ Non			priority documents h	•	
received.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
received in Application I	No. (Series Code/S	erial Number)			
received in this national	•	•	·	·	
*Certified copies not received	• ,,		•		
☐ Acknowledgement is made of					
Attachment(s)		. ,	,		, i
☐ Notice of Reference Cited	. PTO-892				
Information Disclosure Sta		49. Paper No(e)			
☐ Interview Summary, PTO-					
☐ Notice of Draftsperson's F		iew PTO-948			
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> - SEE OFFICE ACTION ON THE FOLLOWING PAGES -PTOL-326 (Rev. 10/95)

☐ Notice of Informal Patent Application, PTO-152

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DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "dividing said frame period into a plurality of LOAD periods and a plurality of ILLUMINATE periods, where each LOAD period is followed by an ILLUMINATE period"; and the storing means for "storing, during each of said. LOAD periods, said data line signal within said circuit" as recited in claim 8 must be shown. In claim 9, "said gray scale control signal has a magnitude that is less than said stored data signal" must be shown. In claim 10, "a linear ramp waveform over the plurality of ILLUMINATION periods within one frame period" must be shown. In claim 11, "a stepped waveform over the plurality of ILLUMINATION periods within one frame period, where each step in the waveform corresponds to one ILLUMINATION period" must be shown. In claim 12, "a digital signal containing a plurality of bits where each bit is applied to said circuit during a plurality of consecutive LOAD periods" must be shown. In claim 14, "dividing said frame period into a plurality of LOAD periods and a plurality of ILLUMINATE periods, where each LOAD period is followed by an ILLUMINATE period" must be shown; and "during each of said LOAD periods ... data signal si stored; and during each of said ILLUMINATE periods,... electroluminescent cell" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

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Claim Rejections - 35 USC § 112

2. Claims 8-16, 18-20, 25, and 27-29 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim_8, the "dividing-said-frame-period-into-a-plurality-of LOAD-periods-and-a plurality of ILLUMINATE periods, where each LOAD period is followed by an ILLUMINATE period"; and the storing means for "storing, during each of said LOAD periods, said data line signal within said circuit" was not supported in the specification or the drawings in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 9, "said gray scale control signal has a magnitude that is less than said stored data signal"; in claim 10, "a linear ramp waveform over the plurality of ILLUMINATION periods within one frame period"; in claim 11, "a stepped waveform over the plurality of ILLUMINATION periods within one frame period, where each step in the waveform corresponds to one ILLUMINATION period"; in claim 12, "a digital signal containing a plurality of bits where each bit is applied to said circuit during a plurality of consecutive LOAD periods"; and in claims 14 and 20, "dividing said frame period into a plurality of LOAD periods and a plurality of ILLUMINATE periods, where each LOAD period is followed by an ILLUMINATE period"; and "during each of said LOAD periods ... data signal si stored; and during each of said

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ILLUMINATE periods,... electroluminescent cell" were not supported in the specification or the

drawings in such a way as to reasonably convey to one skilled in the relevant art that the

inventor(s), at the time the application was filed, had possession of the claimed invention.

Dependent claims are considered rejected for incorporating the defects from their

respective parent claim by dependency.

3. Claims 22-24 are objected to under 37 CFR 1.75(c), as being of improper dependent form

for failing to further limit the subject matter of a previous claim. Applicant is required to cancel

the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the

claim(s) in independent form.

Claims 22-24 are depending on a canceled claim 21.

Allowable Subject Matter

4. Claims 1-7 and 30-32 are allowed.

None of the prior art of record teaches or suggests the claimed invention as illustrated in

figures 2-3 of the present invention.

Conclusion

5. Any inquiry concerning this communication should be directed to Matthew Luu at

telephone number (703) 305-4850.

M. Luu: M.L.

October 17, 1997

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